

## The Knowledge Bank at The Ohio State University

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# DEPARTMENTS AND SOCIETIES

## A. S. M. E. — S. A. E.

Election of spring quarter officers was held by the student branch American Society of Mechanical Engineers at the March 5 meeting in Robinson laboratory. Edward M. Smith was elected chairman, William Kuntz, vice-chairman, Herbert A. Fox, secretary, and Henry R. Kroeger, treasurer.

On April 2, the A.S.M.E. and S.A.E. sponsored a dance for the mechanical engineering department. The dance was held at Neil Hall, music being furnished by Jack McAndrews and his orchestra.

## S. S. I. E.

At the last meeting of the Student Society the new officers for the next school year were elected. Amid oratorical gems the students elected were John Stair, Jim Detwiler, Bob Parish, Al Redman, Al Ankrum, and Bob Kellar. Professor Harold M. Poole was unanimously selected as the faculty advisor, succeeding Peter Morrison, who has left the University.

During the spring vacation, some of the students in the Society enjoyed an inspection trip to Pittsburgh. The trip was immensely appreciated and very valuable to all concerned. As the saying goes (and as is usually the case), history was made at night.

The activities of the Society are, as ever, progressing at a rapid rate. Leisure for all is provided by the Chess Club. Plans for a baseball team are now in progress.

## A. S. C. E.

Following are the minutes for the meeting of March 4, 1937:

Pomerene Hall trembled and shook as 23 famished civil engineers charged madly through the refectory and swarmed around a long table. There was ample cause for their precipitancy because the dinner that followed was just like Thanksgiving dinner at grandmother's (except there wasn't any turkey). After the plates were polished and the gravy scraped from vests, the entire company ambled upstairs to a spacious lounge where the formal meeting was to be held.

President Morrison called the meeting to order. He maneuvered his cigar over to the other corner of his mouth and mumbled something about a skit to be given by the society at the coming Engineers' Roundup.

The minutes of the previous meeting were read and approved.

George Sargent then gave an illustrated lecture on the national A. S. C. E. inspection trip in New York City. Morrison gave a resume of the A. S. C. E. proceedings at the convention and wound up by telling the members why it took him a week to get back.

## A. I. Ch. E.

The speaker at the March dinner meeting held Monday, March 1, was Dr. F. O. Andregg of the industrial materials division of the Owens-Illinois Glass Co., Newark, Ohio, who spoke on *Pre-Stress in Construction*. Dr. Andregg, who is a pioneer in the development of the principle as applied to ceramic materials and who has done considerable work in its development, said that pre-stress is simply a process of putting construction materials under compression before they are placed in a building. The compression counteracts the tension due to bending moments, and is brought about by incorporating steel rods in the material on the tension side. The rods are fitted with bolts on both ends which are tightened and thereby putting the under side under compression. Thin concrete slabs built this way supported large loads without breaking, and showed considerable elasticity. Beams made of specially shaped blocks of sodium hydrosilicate, a ceramic compound made by a combination of lime and silica under certain conditions, built up by using a special cement and the pre-stress principle, made an ideal roof from the viewpoint of lightness, heat insulation, and non-corrosiveness, and its use in actual building construction was shown in photographs.

A reduction in weight is obtained without any loss of strength, and the effectiveness is shown by the construction of a small house. This material lends itself to mass production, and promises a development of factory made, mass production houses in the future.

In closing, Dr. Andregg suggested that the chemical engineer be on the lookout for applications of pre-stress in his design problems where greater strength might be obtained with less material. The talk was profusely illustrated with large photographs and curves, and was followed by an extensive discussion.

## QUADRANGLE JESTERS

With the three act play "Charlie's Aunt" scheduled to show May 14 at the University Chapel, Quadrangle Jesters has again become a beehive of activity. Both the cast and the male chorus have been practicing more strenuously.

Once more the dancers are tripping through routine steps, and, according to their director Charlie Pressler, will be well limbered up and in tip-top shape on opening night. The male chorines are taking rehearsals quite seriously. They are practicing their aisle-rolling antics with great fervor.

The cast directed by Bob Merrick is earnestly attempting to produce a so-called super colossal vehicle. The gentlemen seem to play the romantic scenes slowly in an effort to attain perfection. Rehearsals also occupy the majority of their spare moments.

The business proceedings are beginning to enliven. Committees for publicity, scenery, tickets, and orchestra are brushing up on their talent so as to give you something which you will remember.

## TAU BETA PI

Tau Beta Pi, honorary engineering fraternity, held its winter quarter initiation at 4 p. m. Saturday, March 13, at the Columbus Athletic Club. Following the initiation was a banquet at which Professor Viva Boothe of the sociology department was the guest speaker. The following men were initiated:

Seniors: Richard M. Abbott, David I. Berry, John J. Driskell, Richard Kahn, Albert Knecht, Arthur H. Prior, Walter J. Schaefer, Edward M. Smith, William S. Touchman, and Harold F. Wise.

Juniors: Eugene A. Anderson, Frank H. Andrix, Robert W. Bragg, Sydney J. Brooks, Graham B. Brown, Claude W. Castle, Clyde N. Castle, Kenneth C. Deemer, William W. Dodge, Arthur R. Elsea, W. C. Fahrenbruck, Charles L. Guard, Robert B. Hines, Jack Hockman, Albert W. Hoge, Joseph J. Ittes, Lewis R.

Krieg, Fred E. Levy, Leland W. Love, Howard Orlovski, Robert S. Radow, Prentice W. Reeves, James M. Robinson, Richard L. Sloane, Randall E. Smith, John R. Stair, Randall J. Thumm, George S. Tobias, and Burton M. Wolfe.

Faculty: Salvatore M. Marco.

## ETA KAPPA NU

On Tuesday, February 16, Eta Kappa Nu, national honorary electrical engineering fraternity, held a pledge banquet at Pomerene refectory. The speaker of the evening was Dr. Robert M. Hunter, secretary of the College of Law, who spoke upon the subject of "Cooperatives." He outlined their history and present expansion.

The formal initiation and banquet of the winter quarter took place at Hotel Fort Hayes on Saturday, March 5. Professor Peter H. Odegard of the political science department was the guest speaker. The following men were initiated: Randall G. Alexander, Frank H. Andrix, Robert W. Bragg, Glenn L. R. Baumhardt, N. Whitney Matthews, and Jerome E. Williams.